```
      (FILE 'USPAT' ENTERED AT 15:07:48 ON 21 DEC 1998)
L1          148 S (PICTURE# OR IMAGE#) (P) DIGIT? (2A) SIGN? (P) (AUTHENTI
CAT
L2            6 S L1 AND FRIEDMAN,?/IN
L3            0 S L1 AND HILL,?/IN
L4            9 S HILL,?/IN AND 380/CLAS
L5            0 S L4 AND DIGIT? (2A) SIGNAT?
L6           13 S COOPER,?/IN AND 380/CLAS
L7           11 S (FAX OR FACSIMILE) (3A) TRANSMI? (P) DIGIT? (2A) SIGNAT?
               SET KWIC 50

=> d 1- pn

US PAT NO:     5,819,289 [IMAGE AVAILABLE]           L7: 1 of 11
US PAT NO:     5,692,048 [IMAGE AVAILABLE]           L7: 2 of 11
US PAT NO:     5,680,455 [IMAGE AVAILABLE]           L7: 3 of 11
US PAT NO:     5,671,285 [IMAGE AVAILABLE]           L7: 4 of 11
US PAT NO:     5,659,726 [IMAGE AVAILABLE]           L7: 5 of 11
US PAT NO:     5,598,473 [IMAGE AVAILABLE]           L7: 6 of 11
US PAT NO:     5,590,196 [IMAGE AVAILABLE]           L7: 7 of 11
US PAT NO:     5,555,307 [IMAGE AVAILABLE]           L7: 8 of 11
US PAT NO:     5,539,530 [IMAGE AVAILABLE]           L7: 9 of 11
US PAT NO:     5,337,362 [IMAGE AVAILABLE]           L7: 10 of 11
US PAT NO:     4,918,723 [IMAGE AVAILABLE]           L7: 11 of 11
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```
> s encryption and image data

         4457 ENCRYPTION
       268857 IMAGE
       487714 DATA
        24640 IMAGE DATA
                (IMAGE(W)DATA)
L1         239 ENCRYPTION AND IMAGE DATA

=> s l1 and public key

        59882 PUBLIC
       162785 KEY
          968 PUBLIC KEY
                (PUBLIC(W)KEY)
L2          27 L1 AND PUBLIC KEY

=> d 1 kwic


US PAT NO:      5,844,961 [IMAGE AVAILABLE]          L2: 1 of 27

DETDESC:

DETD(82)
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 The **encryption** circuit 2092 provides security and a way to
authenticate the image. The **encryption** can be performed by dedicated
hardware components or via software control in the CPU 2050.
Encryption circuit 2092 is optionally included in digital cassette
200 for encrypting at least a portion of the image or tag.   .   .

DETDESC:

DETD(101)

 The .   .   . capture a frame, the read out electronics 2012 should run
faster than the imaging array system 450 can feed the **image data**.

DETDESC:

DETD(197)

 FIG. .   .   . to begin processing of an insurance claim. Importantly, in
one embodiment, the digital cassette attaches a digital signature to the
image data and encrypts at least a portion of the **image
data**. This allows, for example, greater patient information security
and helps to prevent erroneous or fraudulent claims (e.g. using the
digital.   .   .

DETDESC:

DETD(198)

 Before describing FIG. 27 in detail, the **encryption** and the
authentication capabilities of a digital cassette 200 is described.
Encryption helps prevent unauthorized access to **image data**.
Authentication helps prevent fraud.

SUMMARY:

BSUM(29)

 The .   .   . need for the physical transfer of paper. Security of the
digital data may be ensured by various encryption methods, e.g.
public key/private key systems, **digital signature**
standard, digital encryption standard and other known secure encryption
systems. The electronic message may also be time stamped. The paper.   .
 .

SUMMARY:

BSUM(30)

 The .   .   . and maintenance of a codebook library of scanned check
information, in a suitable storage form, e.g. actual image or compressed
image data of various resolutions, that can be used to regenerate
the actual **image data**, through the use of an algorithm executed
by a computer or a series of mathematical equations that can compare the.
 .   .

SUMMARY:

BSUM(34)

 The .   .   . predetermined period of time, the matching processing
ceases and the check is represented as a compressed image based on the
image data and the processing performed in the matching process.
If the processing is prematurely terminated, that check may optionally be
later.   .   .

DETDESC:

DETD(10)

 If .   .   . code for it. The new background must be transmitted to a
central repository so that a receiver of the coded **image data** may
decode the background. Thus, upon encountering a new background which
passes exception checks, the image is forwarded to a.   .   .

DETDESC:

DETD(29)

 Since .   .   . check, which requires only simple processing, even if
this delays the processing of the first check slightly. Thus, once
scanned, **image data** records will then be queued up for further
processing when the necessary data becomes available to the processor.
Checks that.   .   .

DETDESC:

DETD(39)

 Compressed .   .   . because it reduces the penalty of the slow data
transfer rate of a CD-ROM, and allows quicker access of related **image**

data. Compressed storage also increases effective storage capacity of the CD-ROM.

DETDESC:

DETD(40)

It . . . on the type of compression employed for data in the database and the requirements of the pattern recognition system, the **image data** may be analyzed without decompression or with only partial decompression. In such a case, it is preferred that the compression. . .
.

DETDESC:

DETD(68)

Likewise, the **image data** remaining after elimination of the background image information may be further reduced by going through standard compression algorithms, as for. . .

DETDESC:

DETD(71)

In . . . when the compression system is broadly viewed as being for optimal compression of any of a number of types of **image data,** the ability to reproduce the entire image or portions thereof with varying resolution is useful. For example, if the scanner. . .

DETDESC:

DETD(73)

The . . . relating to a fingerprint of the person cashing the check may be captured, compressed or analyzed, and appended to the **image data** file. This concept could thus be used for storing and transmitting identification information for law enforcement networks.

DETDESC:

DETD(77)

A . . . residual image, which may then be further compressed. The optical image correlator may be an electrooptic device operating on scanned **image data,** which is projected by laser beam from a modulated light shutter onto a holographic crystal onto which a plurality of. . .